

SAMPLE TRIP REPORT



SITE NAME: Cornell Dubilier Electronics Site

PROJECT No.: 8003-306

CERCLIS ID No.: NJD981557879

SAMPLING DATE: June 8, 1994

EPA CASE No.: 22276

1. Site Location: Hamilton Boulevard, South Plainfield, New Jersey - Refer to Figure 1
2. Sample Locations: Refer to Figure 2
3. Sample Descriptions: Refer to Table 1
4. Laboratories Receiving Samples:

Sample TypeName and Address of Laboratory

Full TCL Organics

Ross Analytical Services Inc.
16433 Foltz Industrial Parkway
Strongsville, Ohio 44136TAL Inorganics
(except CN)IT Analytical Services - Export
5103 Old William Penn Highway
Export, PA 15632

5. Sample Dispatch Data:

A total of eight (8) aqueous samples and eleven (11) soil/sediment samples were shipped on June 8, 1994 by MPI personnel, via Federal Express, in four (4) coolers, under Airbill No. 1948604302 to Ross Analytical Services Inc. for Full TCL Organics analyses. A total of seven (7) aqueous samples and eleven (11) soil/sediment samples were shipped on June 8, 1994 by MPI personnel, via Federal Express, in two (2) coolers, under Airbill No. 1948604313 to IT Analytical Services - Export for TAL Inorganics (excluding CN) analyses.

6. Sampling Personnel:

NameOrganizationDuties on Site

Gary Bielen

Malcolm Pirnie, Inc.

Site Manager (SM)

David Kahlenberg

Malcolm Pirnie, Inc.

Site Health & Safety Officer (SHSO)

Lilli Gonzalez

Malcolm Pirnie, Inc.

Sample Management Officer (SMO)

Christopher Bath

Malcolm Pirnie, Inc.

Sampler

Colleen Dwyer

Malcolm Pirnie, Inc.

Sampler

7. Weather Conditions:

06/08/94

Overcast; temperature, 65° F

8. Additional Comments:

All samples will be analyzed for Target Compound List (TCL) organic and Target Analyte List (TAL) inorganic compounds, excluding cyanide.

The trip blank (TB1) was present during the collection of all aqueous samples. TB1 is associated with all the surface water (SW) samples collected on June 8, 1994.

None of the samples showed a reading above background on the OVA or HNu.

The surface water/sediment sample (SW1/SED1) was moved from its original location to a new location further downstream due to access problems caused by excessive vegetative growth.

An additional surface water/sediment sample (SW5/SED5) location was added upon the discovery of a storm drain pipe that was discharging effluent into the stream. SW5/SED5 was collected at the probable point of entry of the discharge into the stream.

RIN1 was a rinsate sample collected from a scoopula and bowl. RIN2 was a rinsate sample collected from a trowel. These rinsates are associated with all of the sediment and soil samples collected on June 8, 1994.

9. Report Prepared By:

Andrew Chlanoff

Date: June 21, 1994

10. QA/QC Approved By:

Sirag Greco

Date: June 21, 1994

TABLE 1
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
S1	BPD08	MBLF01	1027	Soil	Soil sample collected from pile located adjacent to Building No. 14. Sample was collected 106° southeast and 115' away from the aboveground tank. Sample depth 0-1 foot.
S2	BPD09	MBLF81	1125	Soil	Surface soil sample collected 10' east downslope of tank disposal area and 46' east of soil sample S4. Sample depth 0-1 foot.
S3	BPD10	MBLF82	1105	Soil	Surface soil sample collected 2' south of the tank disposal area. The sample location is 167' from the southeast corner of the fence (bearing unknown). Sample depth: 0-1 foot.
S4 ⁽¹⁾	BPD11	MBLF83	1050	Soil	Surface soil sample collected just north of the tank disposal area. The sample location is 102' from the gate on north side of fence (bearing unknown). Sample depth: 0-1 foot.
S5	BPD12	MBLF25	1200	Soil	Surface soil sample collected from within the fenced-in area on the back lot of the property, south of the buildings. The sample location was 168' from southwest corner of fence (bearing unknown). Sample depth: 0-1 foot.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

(3) N/A means not applicable.

TABLE 1 (Continued)
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
S6	BPD25	MBLF26	1220	Soil	Background soil sample collected 235° southwest and 86' from the southwest corner of the fence. Sample depth: 0-1 foot.
S7 ⁽²⁾	BPD26	MBLF27	1210	Soil	Duplicate soil sample collected at same location as sample S5.
SW1 ⁽¹⁾	BPD27	MBLF28	1645	Aqueous	Background surface water sample collected from the unnamed tributary to Bound Brook 10' upstream of an 8' diameter concrete culvert located upstream of the tank disposal area.
SW2	BPD28	MBLF29	1615	Aqueous	Surface water sample collected from the unnamed tributary to Bound Brook at tank disposal area's probable point of entry (PPE) into the unnamed tributary of Bound Brook. The sample was collected 300' upstream of the Lehigh Valley Railroad Bridge.
SW3	BPD29	MBLF30	1505	Aqueous	Surface water sample collected from the unnamed tributary to Bound Brook at point that encompasses 0.1 miles of wetland frontage from the tank disposal area PPE. This point was 30' upstream from the Lehigh Valley Railroad Bridge and 270' downstream of SW2/SED2.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

(3) N/A means not applicable.

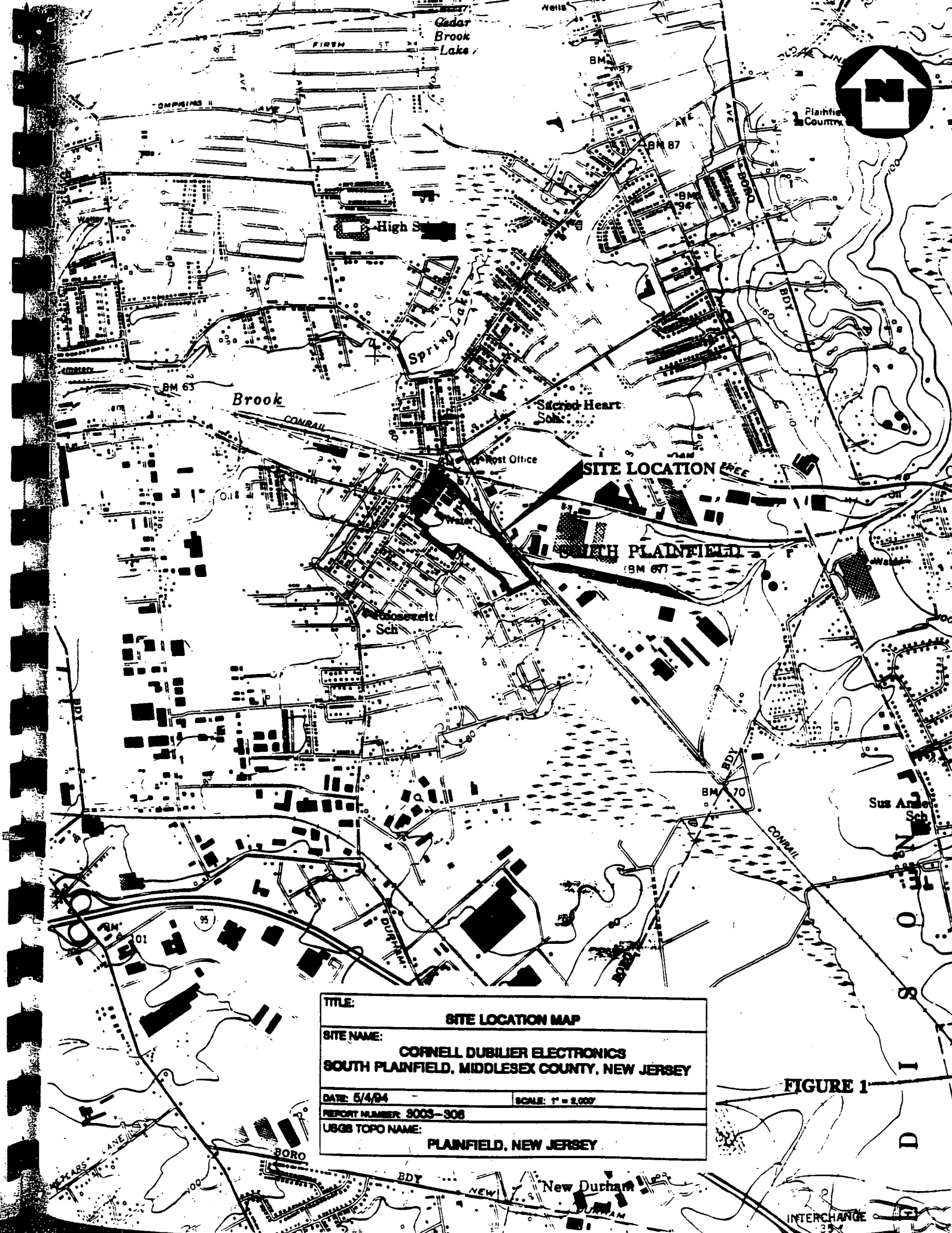
TABLE 1 (Continued)
SAMPLE DESCRIPTIONS
CORNELL DUBILIER ELECTRONICS SITE
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY

Sample Number	CLP Organic Sample Number	CLP Inorganic Sample Number	Collection Time	Sample Type	Sample Location
SW4 ⁽²⁾	BPD30	MBLF31	1510	Aqueous	Duplicate surface water sample collected at same location as sample SW3.
SW5	BPG00	MBLF37	1540	Aqueous	Surface water sample collected at the point where the stormwater pipe discharge enters the unnamed tributary of the Bound Brook. This location is 265' upstream of the Lehigh Valley Railroad Bridge.
SED1	BPD31	MBLF32	1645	Sediment	Sediment sample collected at same location as sample SW1.
SED2	BPD32	MBLF33	1615	Sediment	Sediment sample collected at same location as sample SW2.
SED3	BPD33	MBLF34	1515	Sediment	Sediment sample collected at same location as sample SW3.
SED5	BPG07	MBLF38	1540	Sediment	Sediment sample collected at same location as sample SW5.
RIN1	BPD34	MBLF35	0945	Aqueous	Rinsate sample collected from bowl and scoopula. See Statement 8.
RIN2	BPD83	MBLF36	1000	Aqueous	Rinsate sample collected from trowel. See Statement 8.
TB1	BPF99	N/A ⁽³⁾	0940	Aqueous	Trip blank. See Statement 8.

(1) Sample location designated for the collection of MS/MSD or MS/MD sample.

(2) Sample location designated for the collection of field duplicate sample.

(3) N/A means not applicable.



TITLE:	
SITE LOCATION MAP	
SITE NAME:	
CORNELL DUBILIER ELECTRONICS SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY	
DATE: 5/4/84	SCALE: 1" = 2,000'
REPORT NUMBER: 8003-306	
USGS TOPO NAME:	
PLAINFIELD, NEW JERSEY	

FIGURE 1

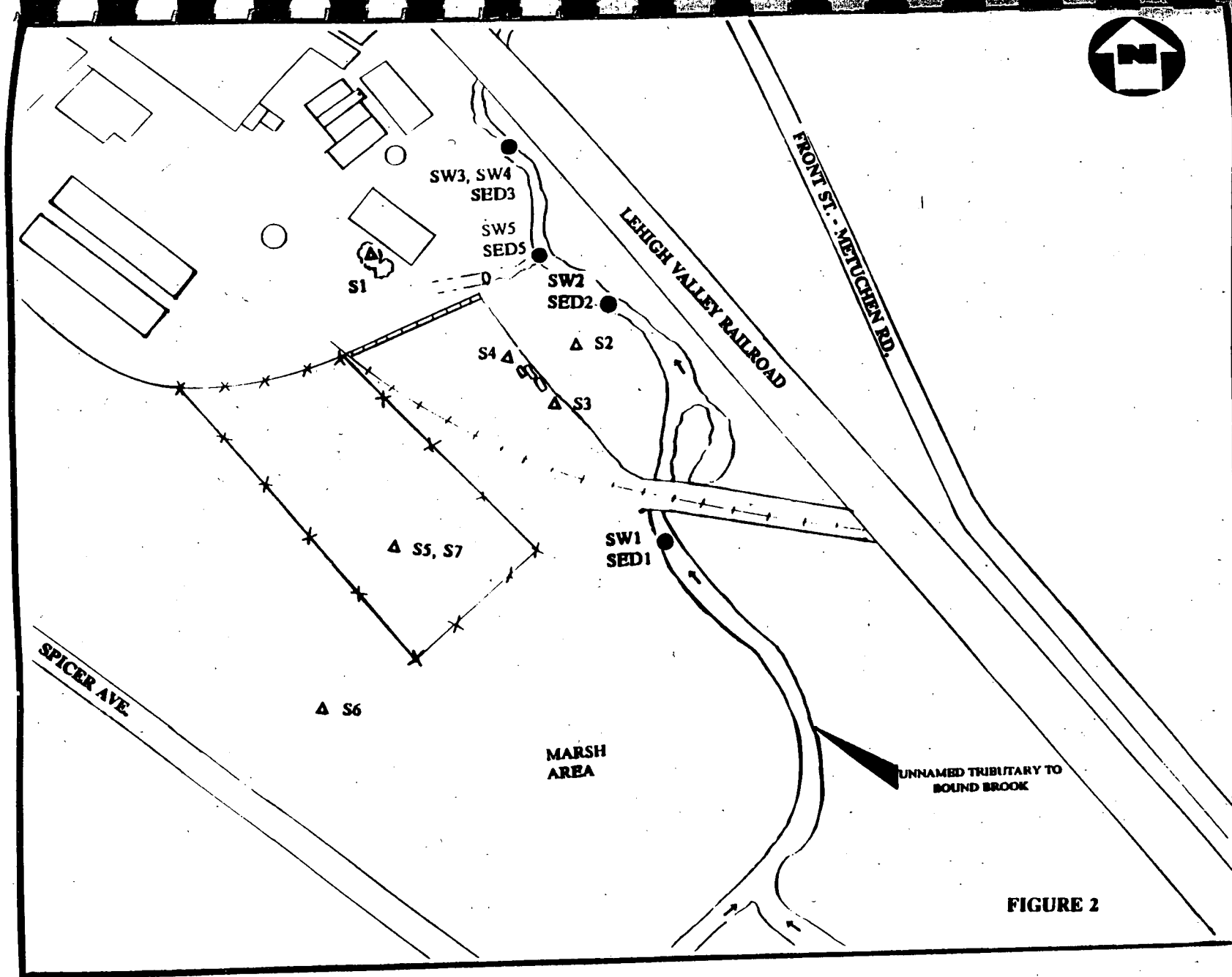


FIGURE 2

MAP KEY

SOIL SAMPLE



SURFACE WATER / SEDIMENT SAMPLE



CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
SAMPLE LOCATION MAP
NOT TO SCALE

SITE NAME: CORNELL DUBILIER ELECTRONICS
 PROJECT#: 8003-306
 SAMPLING DATE: 6/8/94
 EPA CASE NO.: 22276 LAB: ROSS

PESTICIDES

Sample ID No.	S1	S2	S3	S4	S5	S6	DUP OF S5	SW1	SW2
Traffic Report No.	BPD08	BPD09	BPD10	BPD11	BPD12	BPD25	S7	BPD27	BPD28
Matrix	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/L	ug/L
Dilution Factor/GPC Cleanup (Y)	10	10	10	10	10000	10	10000	1	1
Percent Moisture	10	25	15	36	12	12	12	--	--
alpha-BHC									
beta-BHC								0.011 J	R
delta-BHC									
gamma-BHC (Lindane)								0.021 JN	0.021 J
Heptachlor									
Aldrin									
Heptachlor epoxide									
Endosulfan I								0.073	R
Dieldrin									
4,4'-DDE									R
Endrin								0.044 J	0.022 JN
Endosulfan II								R	
4,4'-DDD									
Endosulfan sulfate									
4,4'-DDT									
Methoxychlor									0.021 JN
Endrin ketone									0.065 J
Endrin aldehyde									
alpha-Chlordane									
gamma-Chlordane									0.035 J
Toxaphene								0.011 JN	0.04 J
Aroclor-1016									
Aroclor-1221									
Aroclor-1232									
Aroclor-1242									
Aroclor-1248									
Aroclor-1254	68000	110000	8900	20000	1100000	8200	1100000	2.1 E	1.9 E
Aroclor-1260									

NOTES:

Blank space - compound analyzed for but not detected
 B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
 E - estimated value
 J - estimated value, compound present below CRQL but above IDL
 R - analysis did not pass EPA QA/QC
 N - Presumptive evidence of the presence of the material
 NR - analysis not required
 Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
 PROJECT#: 8003-306
 SAMPLING DATE: 6/8/94
 EPA CASE NO.: 22276 LAB: ROSS

PESTICIDES

Sample ID No.
 Traffic Report No.
 Matrix
 Units
 Dilution Factor/GPC Cleanup (Y)
 Percent Moisture

SW3 BPD29 WATER ug/L	DUP OF SW3 SW4 BPD30 WATER ug/L	SW5 BPG00 WATER ug/L	SED1 BPD31 SEDIMENT ug/kg	SED2 BPD32 SEDIMENT ug/kg	SED3 BPD33 SEDIMENT ug/kg	SED5 BPG07 SEDIMENT ug/kg	RIN1 BPD34 WATER ug/L	RIN2 BPD83 WATER ug/L	TB1 BPF99 WATER ug/L
1	1	1	10	1	1	10	1	1	NA
--	--	--	38	56	30	46	--	--	NA

alpha-BHC			0.054 EN						NR
beta-BHC									NR
delta-BHC	0.028 J	0.028 J							NR
gamma-BHC (Lindane)									NR
Heptachlor									NR
Aldrin									NR
Heptachlor epoxide	0.017 JN	0.02 JN	0.8 EN						NR
Endosulfan I			0.26 E						NR
Dieldrin									NR
4,4'-DDE									NR
Endrin			0.12						NR
Endosulfan II									NR
4,4'-DDD									NR
Endosulfan sulfate									NR
4,4'-DDT									NR
Methoxychlor									NR
Endrin ketone									NR
Endrin aldehyde									NR
alpha-Chlordane									NR
gamma-Chlordane									NR
Toxaphene									NR
Aroclor-1016									NR
Aroclor-1221									NR
Aroclor-1232									NR
Aroclor-1242									NR
Aroclor-1248									NR
Aroclor-1254									NR
Aroclor-1260									NR
			24						
			20 EN	550000	3700	4500	51000		

NOTES:

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 B - compound found in lab blank as well as sample, indicates possible/probable blank contamination
 E - estimated value
 J - estimated value, compound present below CRQL but above IDL
 R - analysis did not pass EPA QA/QC
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 Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%

SITE NAME: CORNELL DUBILIER ELECTRONICS
 PROJECT#: 8003-306
 SAMPLING DATE: 6/8/94
 EPA CASE NO.: 22276
 LAB NAME: ITPA

INORGANICS Sample ID No. Traffic Report No. Matrix Units Dilution Factor	DUP OF S5									
	S1	S2	S3	S4	S5	S6	S7	SW1	SW2	
	MBLF01	MBLF81	MBLF82	MBLF83	MBLF25	MBLF26	MBLF27	MBLF28	MBLF29	
	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER	WATER	
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	ug/L	ug/L	
	1	1	1	1	1	1	1	1	1	
Aluminum	12500	3000	3440	7710	28800	7720	29100	2440	11300	
Antimony		3.9 J			25.4 E		16.8 E			
Arsenic	16.7	15.2	25.7	12.9	6.5	3.2	5.2	8.2 J	15.6 E	
Barium	138	207	535	290	224	44.9 J	255	161 J	344	
Beryllium	0.89 J	0.29 J	0.42 J	0.51 J	0.5 J	0.38 J	0.54 J	0.55 J	0.91 J	
Cadmium	1 J	1.3 J		4.7	33.2		36.7	3.2 J	14.5 E	
Calcium	2720	1520	601 J	6960	4700	570 J	6590	50600	55200	
Chromium	25.1	12.5	12	78.6	25.7	11.9	24.5	6.4 J	25.7	
Cobalt	16.6 E	3.9 J	7.8 J	15.1 J	9.2 J	5.1 J	10 J	4.8 J	13.1 J	
Copper	71.8 E	62.8 E	38.5 E	82.9 E	3020 E	30.5 E	1310 E	22.6 J	89.5	
Iron	28600	15900	23400	36200	28400	14700	26100	4800	19600	
Lead	178	348	198	419	2200	43.2	1990	35.4	180	
Magnesium	5840	584 J	1230	3220	3190	1730	4050	10000	12600	
Manganese	914	63.7	224	523	360	204	462	679	1380	
Mercury	2.4	0.98	0.24	2.9	0.47		0.76			
Nickel	57.7 E	23 E	15.2 E	31.7 E	31.4 E	13.1	31.4 E	20.3 J	40.8	
Potassium	2070	414 J	878 J	1350 J	1320	537 J	1410	3110 J	3950 J	
Selenium		2.4 E	2.5 E	1.4 J	1 J					
Silver	0.48 J	6.8	0.89 J	3.8	26.7	1.1 J	22.9		3.8 J	
Sodium	210 J	108 J	161 J	214 J	156 J	58.6 J	160 J	24800	24500	
Thallium									5.6 J	
Vanadium	205	98.9	29.2	56.7	30.5	18.1	30.2	10.3 J	32.4 J	
Zinc	176	R	R	317	1380	R	1040	713	994	

NOTES:

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E - estimated value

J - estimated value, compound present
 below CRDL but above IDL

R - analysis did not pass EPA QA/QC

NR - analysis not required

SITE NAME: CORNELL DUBILIER ELECTRONICS
 PROJECT#: 8003-306
 SAMPLING DATE: 6/8/94
 EPA CASE NO.: 22276
 LAB NAME: ITPA

INORGANICS
 Sample ID No.
 Traffic Report No.
 Matrix
 Units
 Dilution Factor

	DUP OF SW3									
	SW3 MBLF30 WATER ug/L 1	SW4 MBLF31 WATER ug/L 1	SW5 MBLF37 WATER ug/L 1	SED1 MBLF32 SEDIMENT mg/kg 1	SED2 MBLF33 SEDIMENT mg/kg 1	SED3 MBLF34 SEDIMENT mg/kg 1	SED5 MBLF38 SEDIMENT mg/kg 1	RIN1 MBLF35 WATER ug/L 1	RIN2 MBLF36 WATER ug/L 1	
Aluminum	401	373	5800	12800	13600 E	13300	16800	39.1 J	103 J	
Antimony				6.1 J						
Arsenic	3.9 J	4.6 J	9.2 J	9.2	13.8 E	10.4	24.2		2.9 J	
Barium	114 J	117 J	366	225	317 E	256	366	0.96 J	1.1 J	
Beryllium	0.2 J	0.16 J	0.5 J	0.73 J	1.1 J	0.85 J	1 J	0.31 J	0.16 J	
Cadmium			8.2	14.4	22.6 E	10.3	24.8			
Calcium	46100	47400	38000	3740	6060 E	6380	7670	651 J	996 J	
Chromium			27.1	28.5	39.1 E	38.7	56.6			
Cobalt	2.6 J	2.2 J	8.8 J	10.9 J	16.1 J	16.1 E	18.4 J	1.6 J	1.8 J	
Copper	7.2 J	7.6 J	76.8	219 E	122 E	91.1 E	165 E			
Iron	1470	1500	9570	18300	24600 E	28600	31400	51.2 J	41.7 J	
Lead	5.8	4.6	153	552	290 E	216	425			
Magnesium	8840	9050	8700	3190	4250 E	4950	6460	32.1 J	72 J	
Manganese	409	416	907	539	847 E	1610	1390	1 J	1.6 J	
Mercury			0.23	0.37	0.41 E	0.73	0.77			
Nickel	9.3 J	8.9 J	28 J	34.8 E	38.3 E	38.9 E	52.4 E			
Potassium	2500 J	2580 J	3170 J	1030 J	1150 J	1450 J	1470 J			
Selenium				1.2 J	1.6 J	1.6 E	1.9 E			
Silver			3.2 J	6.9	4.4 E	2.4 J	6.1		2.2 J	
Sodium	24400	25100	17900	221 J	252 J	253 J	406 J	967 J	1100 J	
Thallium										
Vanadium	4.8 J	4 J	46.5 J	35.5	41.7 E	42.6	85.8			
Zinc	62.1	51.8	838	453	430 E	350	798	142	97.5	

NOTES:

Blank space - compound analyzed for but not detected

E - estimated value

J - estimated value, compound present
 below CRDL but above IDL

R - analysis did not pass EPA QA/QC

NR - analysis not required

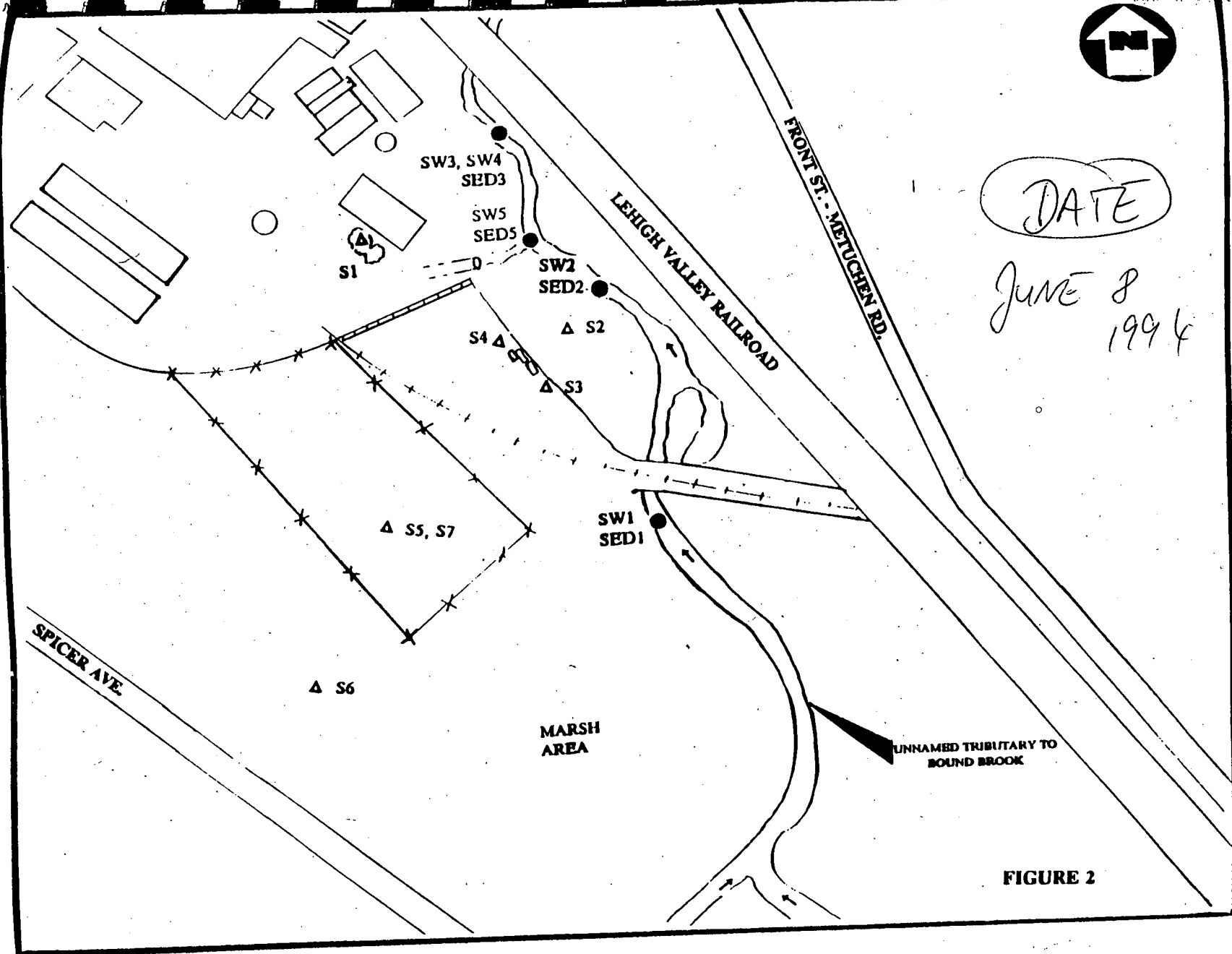


FIGURE 2

MAP KEY

SOIL SAMPLE



CORNELL DUBILIER ELECTRONICS
SOUTH PLAINFIELD, MIDDLESEX COUNTY, NEW JERSEY
SAMPLE LOCATION MAP
NOT TO SCALE